

Figure 1 illustrates a optical system for generating a diffraction pattern.

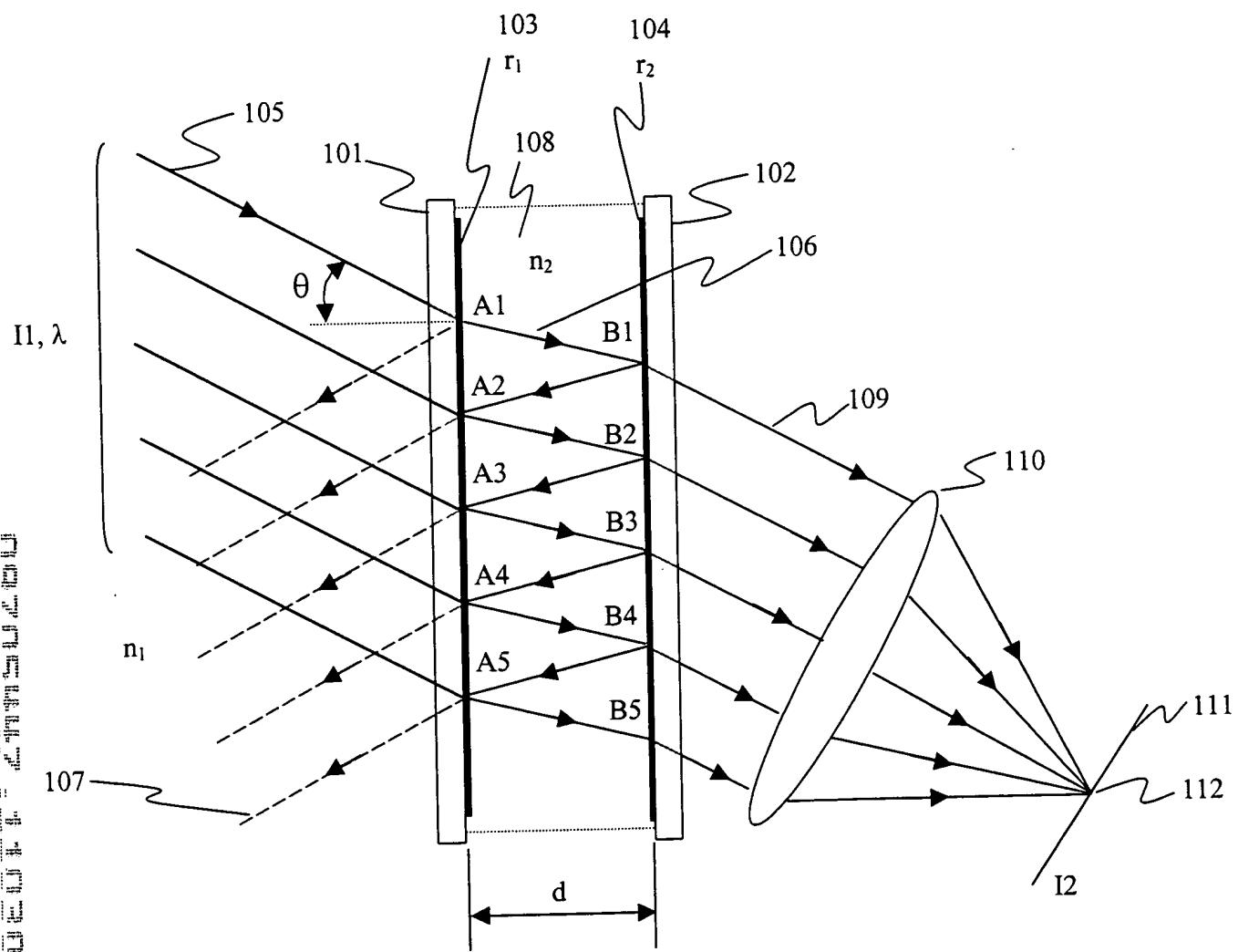


Figure 1

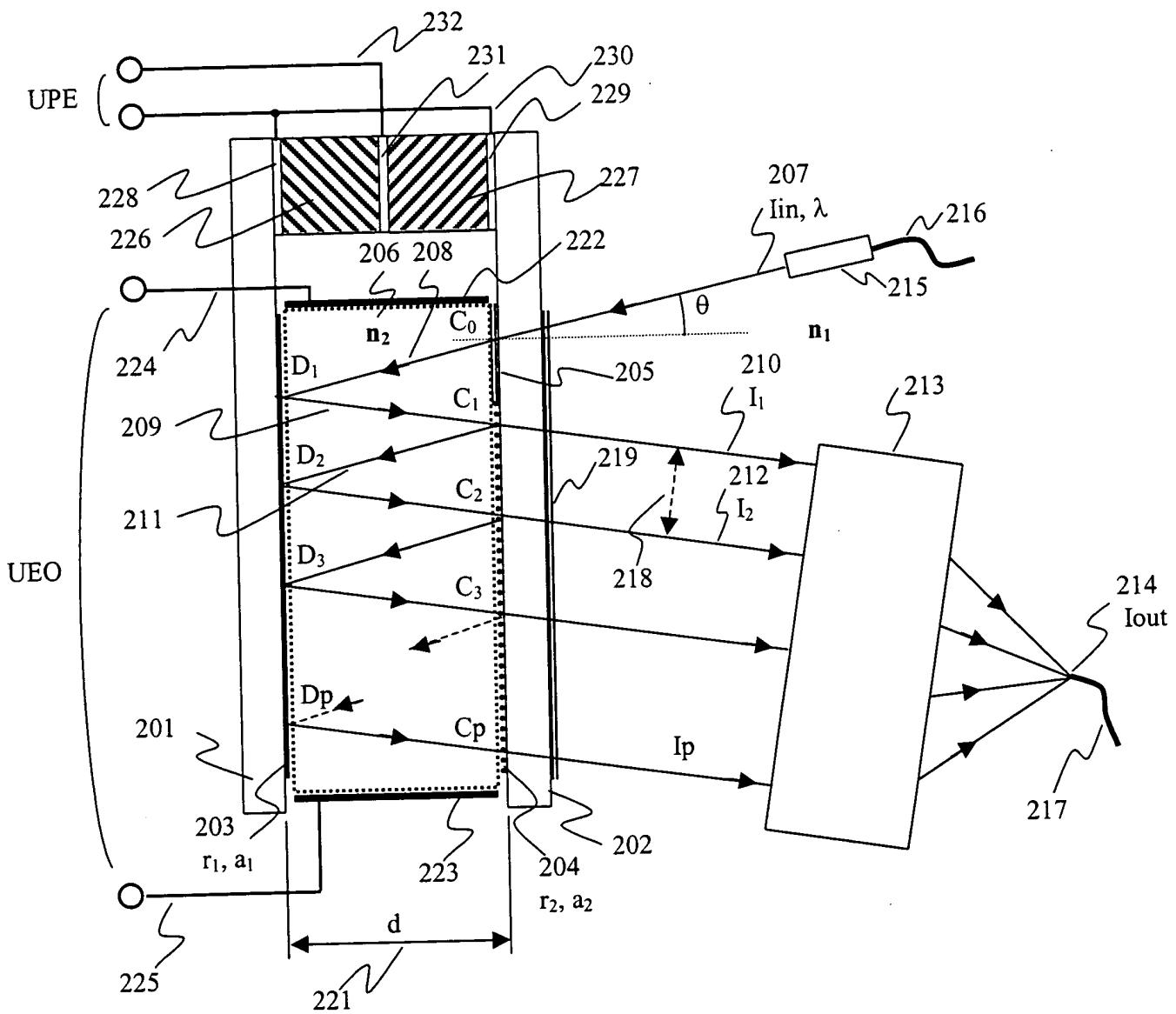


Figure 2a

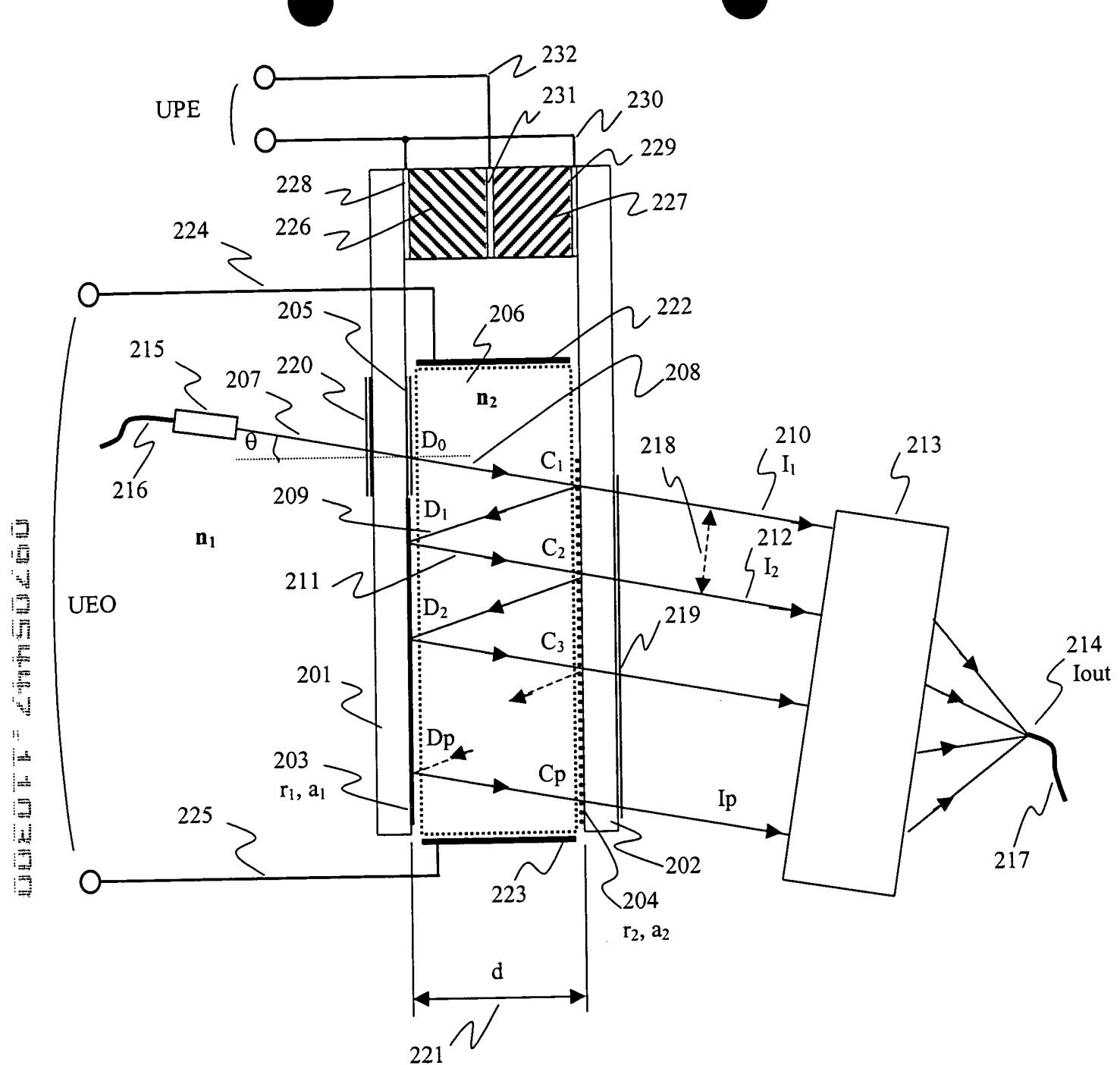


Figure 2b

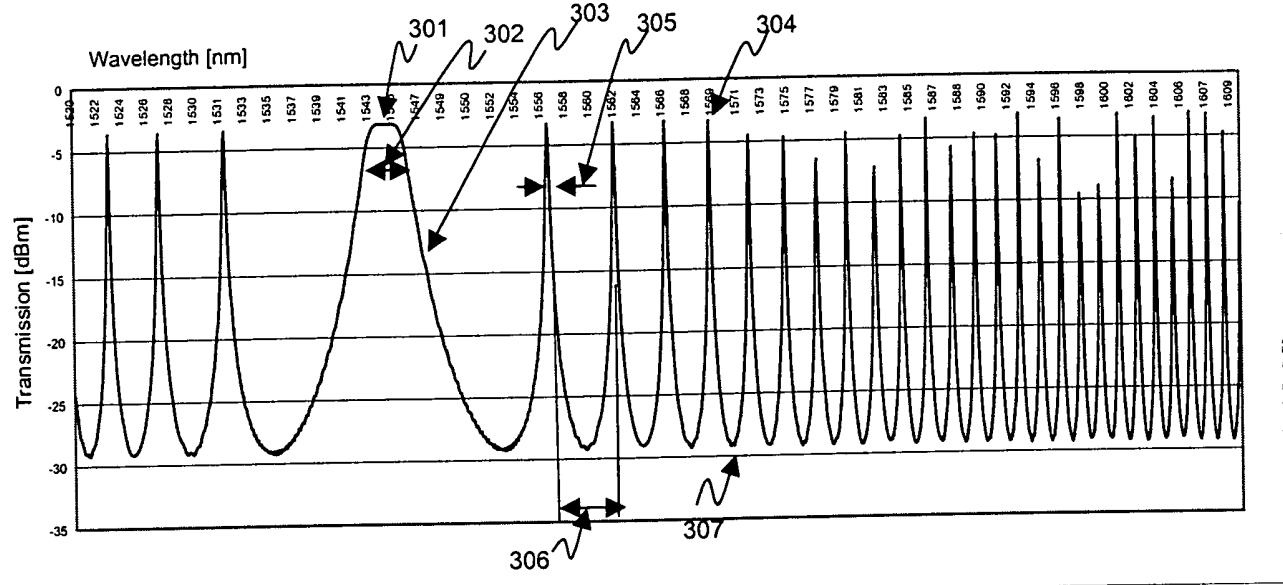
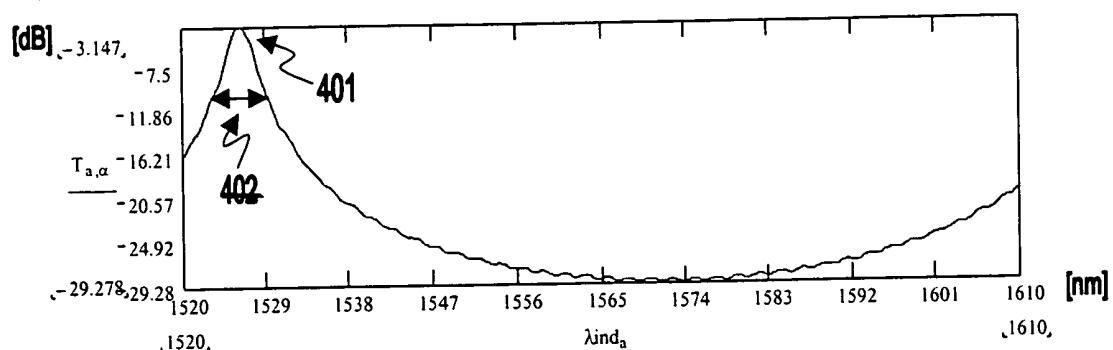
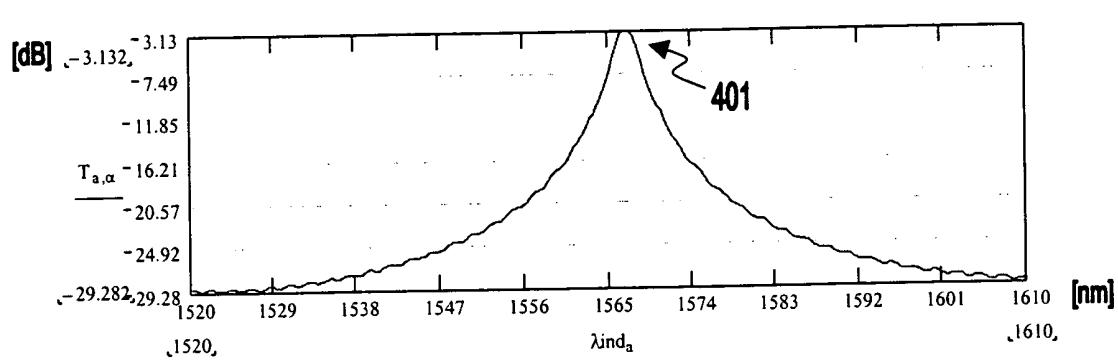


Figure 3

a) $d_1=12.971\mu\text{m}$, $\theta = 1.0^\circ$; $r_1=0.985$, $a_1=0.006$; $r_2=0.92$, $a_2=0.006$



b) $d_2 = 13.317\mu\text{m}$; $\theta = 1.0^\circ$, $r_1=0.985$, $a_1=0.006$; $r_2=0.92$, $a_2=0.006$



c) $d_3=13.565\mu\text{m}$; $\theta = 1.0^\circ$, $r_1=0.985$, $a_1=0.006$; $r_2=0.92$, $a_2=0.006$

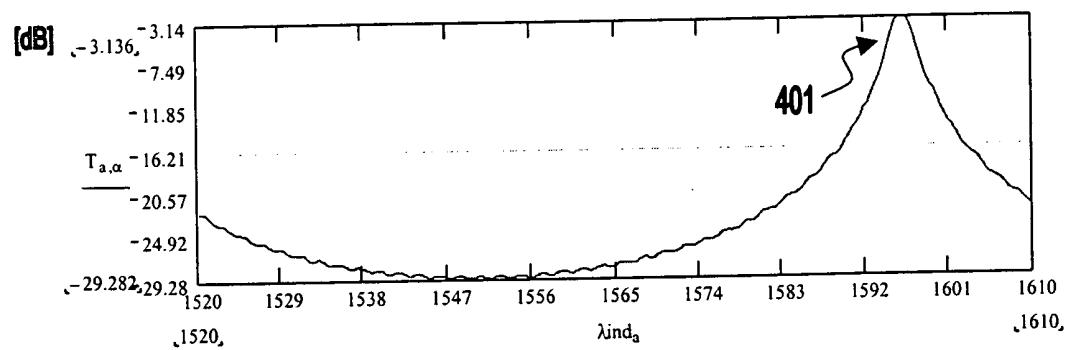
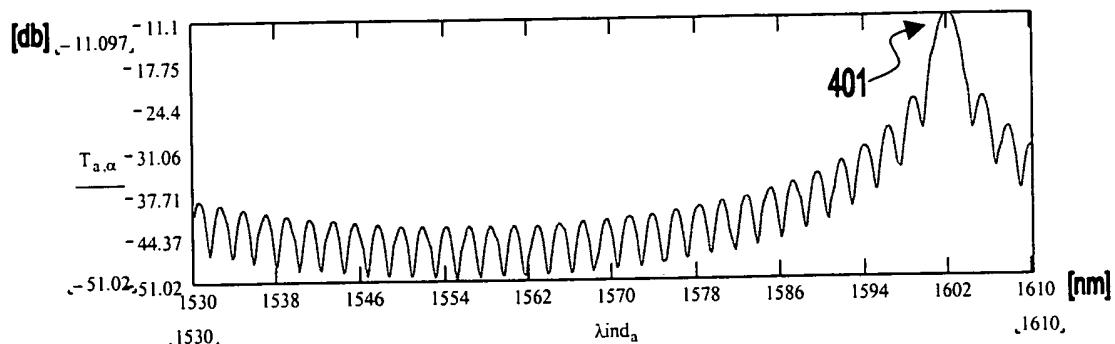
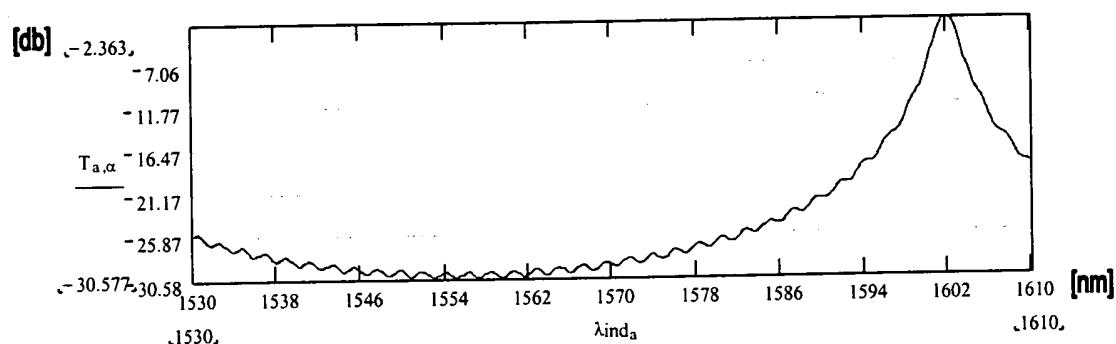


Figure 4

a) $d_4=13.614\mu\text{m}$; $\theta=1.0^\circ$, $r_1=0.995$, $a_1=0.004$, $r_2=0.985$, $a_2=0.004$



b) $d_4=13.614\mu\text{m}$; $\theta=1.0^\circ$, $r_1=0.995$, $a_1=0.004$, $r_2=0.930$, $a_2=0.004$



c) $d_4=13.614\mu\text{m}$, $\theta=1.0^\circ$, $r_1=0.995$, $a_1=0.004$, $r_2=0.830$, $a_2=0.004$

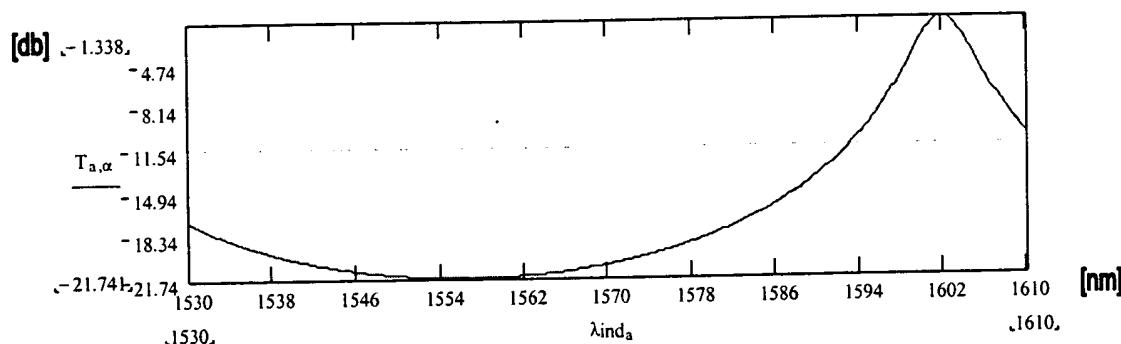
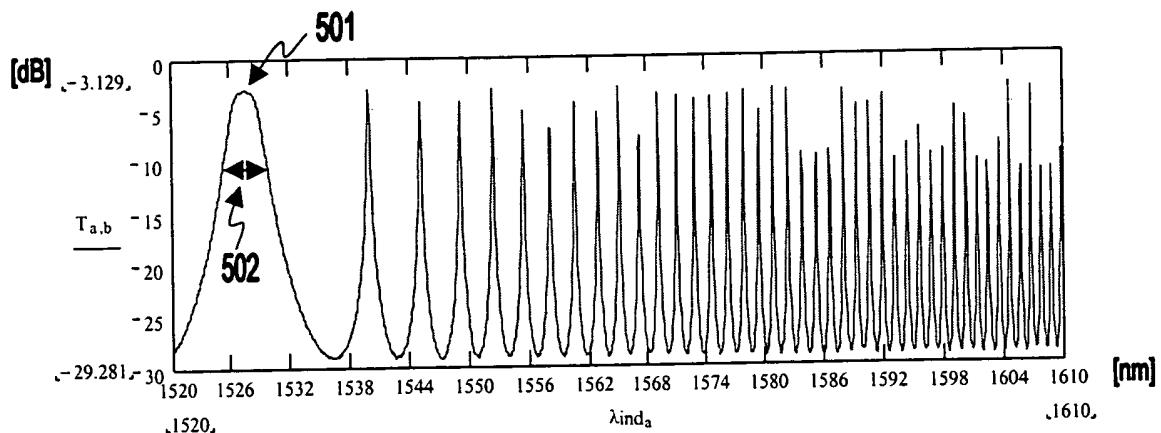
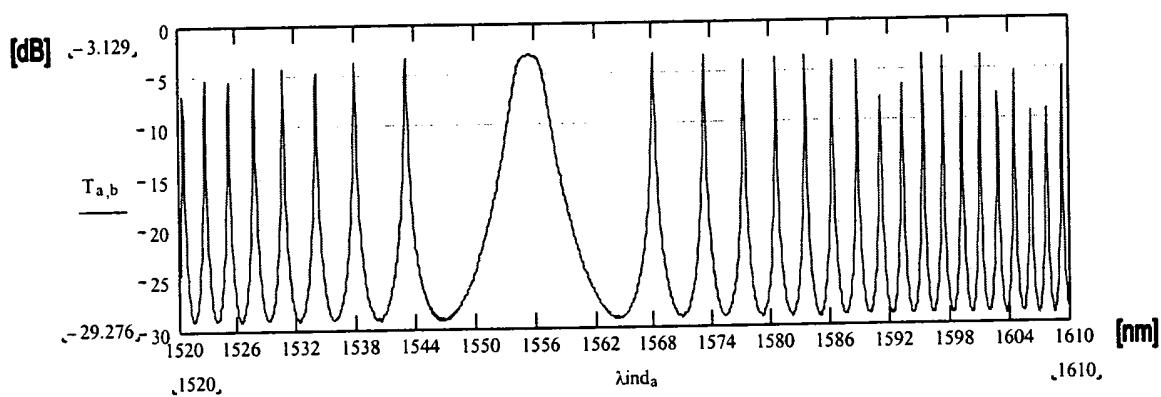


Figure 5

a) $d_5=11.65006\text{mm}$, $\theta=1.0^\circ$, $r_1=0.985$, $a_1=0.006$; $r_2=0.92$, $a_2=0.006$



b) $d_6=12.080036\text{mm}$, $\theta=1.0^\circ$, $r_1=0.985$, $a_1=0.006$; $r_2=0.92$, $a_2=0.006$



c) $d_7=12.850039\text{mm}$, $\theta=1.0^\circ$, $r_1=0.985$, $a_1=0.006$; $r_2=0.92$, $a_2=0.006$

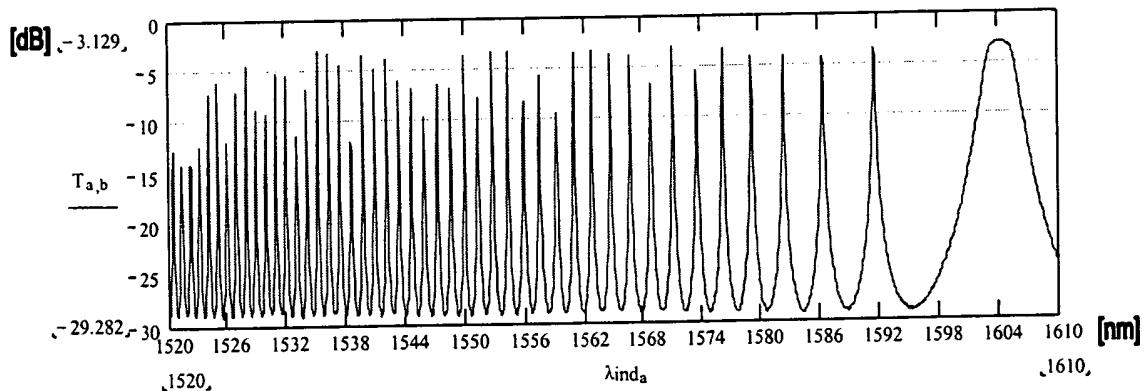
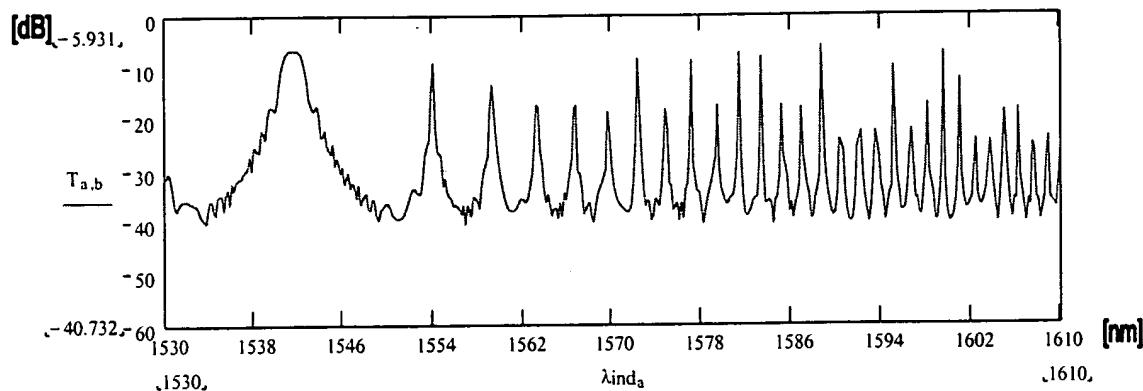
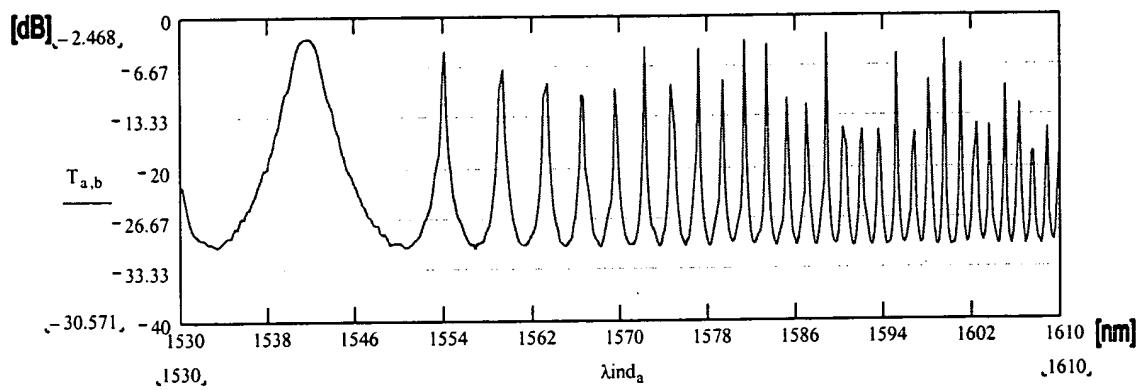


Figure 6

a) $d_8=11.850244\text{mm}$, $\theta=1.0^\circ$, $r_1=0.995$, $a_1=0.004$, $r_2=0.970$, $a_2=0.004$



b) $d_8=11.850244\text{mm}$, $\theta=1.0^\circ$, $r_1=0.995$, $a_1=0.004$, $r_2=0.930$, $a_2=0.004$



c) $d_8=11.850244\text{mm}$, $\theta=1.0^\circ$, $r_1=0.995$, $a_1=0.004$, $r_2=0.830$, $a_2=0.004$

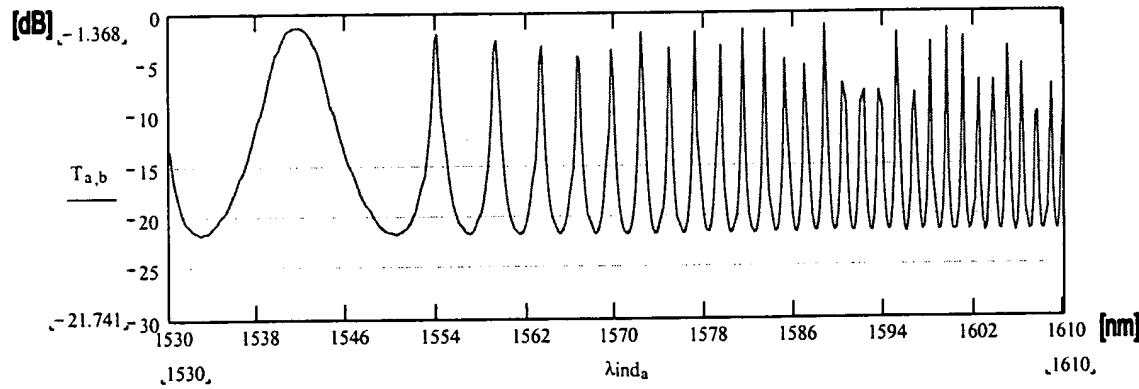


Figure 7